

OCTOBER

at the

CALIFORNIA ACADEMY OF SCIENCES

OCTOBER MEETING

DATE: Wednesday evening, October 18
TIME: 7:30 p.m. and again at approximately 8:30 p.m.
PLACE: May Treat Morrison Auditorium
SUBJECTS: "THE SPRUCE BOG" and "WORLD IN A MARSH"

These two prize-winning short films in color take us into a world we seldom contemplate. "THE SPRUCE BOG" is a description of the conditions under which such a quagmire is formed, with details of the plant types found at successive stages of development from open water to mature spruce forest. Time-lapse photography illustrates the growth and decay of vegetation preceding the appearance of sphagnum moss which chokes off water to make the floor of the forest.

"WORLD IN A MARSH" provides an intimate view of a part of nature rarely brought to the screen—the miniature cosmos that seethes in a ferment of beauty and savagery behind the tall reeds and in the quiet waters of the marsh. We see how strange insects, small amphibious creatures, and birds that prefer watery haunts, devour and are devoured, according to nature's stern decree of balance and survival of the fittest.

Between them, these two films have received prizes at the International Documentary Film Festival, Salerno, Italy; the American Film Festival, New York; and the International Film Festival, Rapallo, Italy.

MORRISON PLANETARIUM

"TARGET: LUNA" continues in the Theatre of the Stars through October 29. Here is the exciting story—past, present and future—of man's plans for landing on our nearest neighbor in space, the moon.

Performances daily at 2:00 p.m. with evening shows, Wednesday through Sunday, at 8:30. Extra matinees on Saturdays and Sundays at 3:30. The Planetarium is closed on Monday and Tuesday nights.

Admission: Adults, \$1.00. Children and Service Men, 50c.

MORRISON AUDITORIUM

"THE SEA OF CORTEZ", an hour-long documentary film in color produced by the Academy, is shown on Saturdays and Sundays at 12:45, 2:15, and 3:45 p.m. Admission: Adults, \$1.00. Children and Service Men, 50c.

SPECIAL EXHIBITS

From the Academy Collections: "KAKAPO", or New Zealand owl parrot (*Strigops habroptilus*). Main Foyer, Science Museum.

"CAMOUFLAGE IN NATURE", close close-ups of some of nature's remarkable masqueraders, photographed by Dr. Edward S. Ross, Curator of Entomology. Lovell White Hall of Man and Nature.

NEWS and NOTES

FROM AUGUST 19 TO 26, an aquatic-minded group of Academy staff members, photographers and Scuba divers made what is best described as a "photographic assault" on the waters of the Gulf of California—or more romantically—the Sea of Cortez. The expedition was the latest in an Academy series to explore to the fullest the ecology of this fascinating area, the accent this time being on underwater photography. Headed by Dr. Earl S. Herald, Associate Director for

Steinhart Aquarium, the party included Walter Schneebeli, Robert Camiccia, Wayne Garrett, Lester Gunther, James Moore, Thomas Sharp, George Tsegeletos, Robert Ames, Bruce and Roy Marquardt, Don Wobber, Douglas Herald, and Dr. and Mrs. Wright Cortner. They joined forces on Richard Adcock's boat, the *Marisla*, which has figured in previous expeditions.

At this writing, the full success of the trip cannot be assessed. However, there are many "firsts". Garden eels, never before on exhibit in any aquarium, were photographed and collected, and—with good fortune—will soon be on display in Steinhart. New information on jawfish and mantas was gathered and the spawning habits of triggerfishes observed at close range and recorded on film.

YOUR ATTENTION is directed to a new display in the Alice Eastwood Hall of Botany where you will find an exhibit of photographs in color devoted to "Coastal Redwood Forests" of northern California and southern Oregon. These pictures,

many of which were taken during rainstorms or shortly after, are the work of Mr. Howard King who does his own color processing. He has specialized in photographing these forests since 1959.

DR. LEO G. HERTLEIN, Curator of Invertebrate Paleontology, presided as President at the 33rd Annual Meeting of the American Malacological Union at Ottawa, Canada, July 31-August 4.

SUMMERTIME ALWAYS finds visitors from faraway places arriving at the Academy for consultation with staff members or referral to the various collections. The Department of Birds and Mammals has had its share of "exotic" visitors. Dr. and Mrs. Michael P. Harris stopped off en route home to the Edward Grey Institute of Field Ornithology located at Oxford University. The Harrises have just completed a two-year study of sea birds of the Galapagos Islands. Dr. Ian Strange visited Dr. Robert T. Orr's department during an excursion by automobile from the Falkland Islands (take a look at your world atlas to be aware of the extent of the journey!). He was accompanied by Miss Annie Gisby. Visitors from Ecuador were Mr. Fernando Ortiz and Brother Miguel Armas. Mr. Ortiz had been associated with Dr. Orr during the Galapagos International Scientific Project and is now a graduate student at the University of California at Berkeley.

Also visiting the department were Dr. and Mrs. William Bridge Cooke of Cincinnati, long-term, generous friends of the Academy who are avidly interested in fungi collecting.

THE DEPARTMENT OF BOTANY, through exchange with the Smithsonian Institution, has accessioned an historic collection of western American specimens collected originally by Thomas Jefferson Howell in the 1880's and 90's. A similar collection owned by the Academy was destroyed in the earthquake and fire of 1906 and it is our good luck that the Smithsonian was not averse to sharing its duplicates. The collection contains some 500 specimens.

VOLUNTEERS ARE NEEDED in the Picture Collection. Anyone with time on his hands who would like to devote several hours each week in bringing order out of chaos in one of the newer Academy departments should get in touch with Johan Kooy, 221-5100, Extension 72. An interest or training in zoology or botany would be helpful but is not necessary.

A 10" REFLECTING TELESCOPE, manufactured by John Brashear of Pittsburgh in the 80's, which was once the property of a notable California figure, has been added to the Academy's collection of items astronomical. The telescope was owned by George C. Pardee, Governor of California from 1903-1907, and came to the CAS through the kind generosity of two living daughters, Madeleine and Helen, and the Chabot Observatory in Oakland.

MEET THE STAFF



JOHN H. LEONBERGER, Technician in the Instrument Shop for Morrison Planetarium, was born in Mauch Chunk, Pennsylvania which, in recent history, has been renamed Jim Thorpe. After schooling in the Keystone State, he enlisted in World War I in 1917, which took him to France for two years until the armistice and his return to Pennsylvania. During the winters, he was occupied fabricating handmade window glass, and, in the summers, worked as an auto repairman.

His interest in automobiles led him to the Chandler Auto Factory in Cleveland, Ohio, where he labored on the production line during the daytime and in the experimental field at night. During this period, he met and married his wife Louise. They are proud of their son Robert, their two grandchildren, Diana and Robert, and a great-grandson, Eric Bryan Stuart, aged four months.

After Cleveland, the Leonbergers removed themselves to Buffalo and the Pierce-Arrow Automobile firm where John drove test cars. This was followed by a long period of employment with the Cleveland Tractor Company as Service Supervisor. In 1939 a job with Pan American World Airways brought him to California. The world again at war caught up with him on December 7 on Midway Island. Fortunately, he made it back to San Francisco in January 1942. He remained with Pan Am until his retirement

in 1963 at which time he joined the staff of the CAS in his present position.

The Leonbergers have wide and wonderful private interests: Exotic birds — finches, parrots, cockateels — which have practically taken over a covered patio and dinette at their home in Miraloma Park; a fine collection of 75 antique music boxes, including a number of French musical mechanical dolls (see photo); a collection of orchids; and last but not least, a zest for world travel which they are forced to enjoy separately — one of them having to remain home in order to take care of the orchids and the 48 birds.

NEW MEMBERS OF THE ACADEMY

Regular Membership

Mr. Kevin E. Ahern	Mr. Florence W. Lee
Dr. John T. Alfors	Miss Elizabeth M. Merry
Mrs. Marianne Alstrom	Mr. Gary Miller
Mr. L. Burr Belden	Mr. & Mrs. Frank Noyes
Mr. Earl Brockelsby	Mr. George Perman
Miss Mary Louisa Brown	Mr. J. Wesley Phillips
Comsul, Ltd.	Dr. Vincent F. Piccioni
Mr. A. L. Connell	Mr. J. D. Sanderson
Mr. Dewey G. Doramus	Santa Barbara Museum of
Mrs. James Durkin	Natural History
Mr. James Follis	Dr. Catherine Stous
Dr. W. R. Humphrey	Mr. Jon Winter

Family Membership

Mr. William S. Ballou	Dr. Salvatore P. Lucia
Mr. & Mrs. Oliver E. Bowen	Mr. Wallace Macgregor
Dr. Sterling Bunnell	Mrs. Henry H. Pierce
Mr. William A. Clemens	Mr. Stanley F. Rodgers
Mr. Larry Dumlao, Sr.	Mr. Paul Rosenberg
Mr. Steven Gimnich	Mr. William C. Sanborn
Mr. Theodore W. Kirsch, Jr.	Miss Athena Simonidis
Mr. Otto Weiss	

Subscribing Membership

Mr. & Mrs. Eugene E. Jurs

Student Membership

Tom Arenz	Susan Cafiso
Thomas Badillo	Rob Cheswink
Charles Bass	Casey Donovan
Wright Bass	Paul Haroutunian
Eileen Benson	Jeff Sadala
David Cafiso	Eric Takezama

Ronald Tom

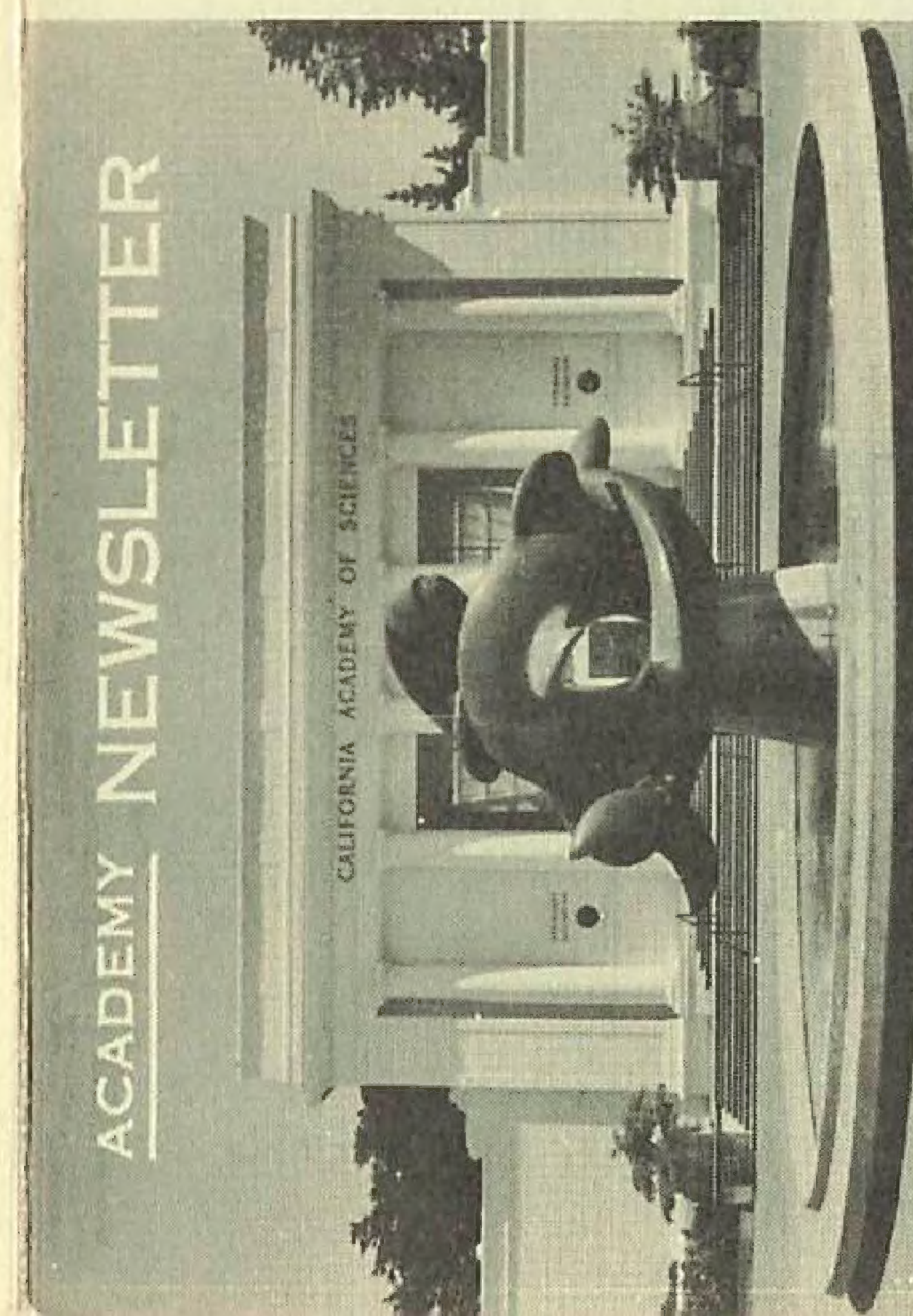
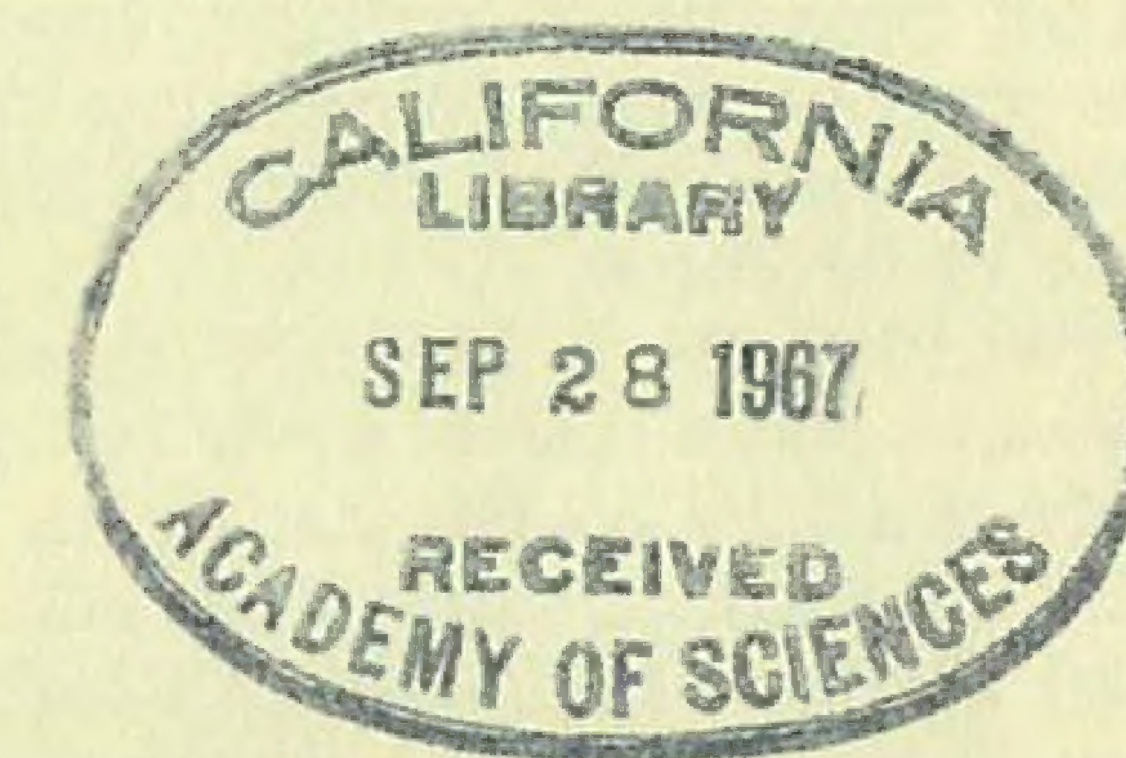
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GOLDEN GATE PARK • SAN FRANCISCO 94118

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10:00 a.m. to 5:00 p.m.

Admission Free

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